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|--|-------------|----------------------|---------------------------------|-----------------------------|
| APPLICATION NO.  | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO.             | CONFIRMATION NO.            |
| 10/646,933   | 08/22/2003  | Rahul Agarwal        | REALNET.017D1D1                 | 1761                        |
| 20995 7590 01/18/2007<br>KNOBBE MARTENS OLSON & BEAR LLP<br>2040 MAIN STREET<br>FOURTEENTH FLOOR<br>IRVINE, CA 92614 |             |                      | EXAMINER<br>VU, VIET DUY        |                             |
|  |             |                      | ART UNIT<br>2154                | PAPER NUMBER                |
|  |             |                      | NOTIFICATION DATE<br>01/18/2007 | DELIVERY MODE<br>ELECTRONIC |

Please find below and/or attached an Office communication concerning this application or proceeding.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

jcartee@kmob.com  
eOAPilot@kmob.com

|                              |                                      |                                       |  |
|------------------------------|--------------------------------------|---------------------------------------|--|
| <b>Office Action Summary</b> | <b>Application No.</b><br>10/646,933 | <b>Applicant(s)</b><br>AGARWAL ET AL. |  |
|                              | <b>Examiner</b><br>Viet Vu           | <b>Art Unit</b><br>2154               |  |

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 18 December 2006.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 21-25, 27-29 and 34-36 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 21-25 is/are allowed.
- 6) ☒ Claim(s) 27-29 and 34-36 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

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1. Claim 36 is an invalid dependent claim because it depends upon a canceled claim. It is assumed that claim 36 depends on claim 29.

**Art Rejections:**

2. The text of 35 USC 103(a) not cited here can be found in the previous office action.

3. Claims 27-29 and 34-36 are rejected under 35 U.S.C. 103(a) as being unpatentable over Neilsen, U.S. pat. No. 6,639,687, in view of Filion et al, U.S. pat. No. 5,036,361.

Neilsen discloses a display device for displaying a transmission progress of data objects, e.g. print jobs, transmitted from one computer to another remote computer (see Neilsen in col 4, lines 1-50), wherein the progress indicator comprises a consumption bar/graph showing a size or percentage of data being transmitted/buffered at the destination device (see Neilsen in col 5, lines 24-40).

Neilsen does not teach displaying the transmission time. The use of time indicator is well known in the art as disclosed by Filion. Particularly, Filion teaches displaying a plurality of progress indicators including estimated time of completion for a specific job (see Filion in col 7, lines 46-68).

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It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Neilsen with Filion's teaching to display the estimated time remaining for transmitting a data object, e.g., print job, because it would have enabled the user to see time progress of the task.

Per claim 29, Neilsen teaches computing the progress graph using the amount of transmitted data. It is noted that such amount of transmitted data would depend upon a transmission rate (see col 5, lines 30-36).

Per claim 35, Neilsen also teaches receiving and storing all data objects of the print job in the buffer of the print manager before the print job can be processed (see col 4, lines 1-5).

**Allowable Subject Matter:**

4. Claims 21-25 are allowed over prior art of record.

**Response to Arguments:**

5. Applicant's arguments filed 12/18/06 with respect to claims 27-29 and 34-36 have been considered but are deemed moot in view of new grounds of rejection set forth in item 3 above.

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**Conclusion:**

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Viet Vu whose telephone number is 571-272-3977. The examiner can normally be reached on Monday through Friday from 7:00am to 4:00pm. The Group general information number is 571-272-2100. The Group fax number is 571-273-8300.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Follansbee, can be reached on 571-272-3964.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



VIET D. VU  
PRIMARY EXAMINER

Art Unit 2154  
01/11/07